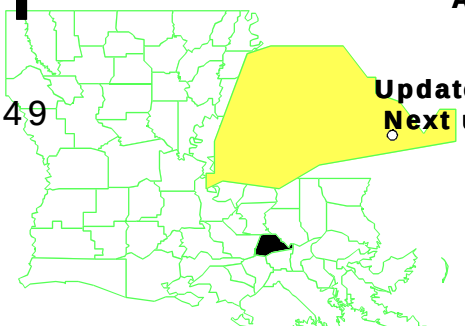
DUTCHTOWN OIL TREATMENT

LOUISIANA

EPA ID# LAD980879449

EPA REGION 6
CONGRESSIONAL DISTRICT 06
Ascension Parish



Updated February 2, 1999.
Next update scheduled for January 2000.

Site Description

Location:
- Dutchtown, Ascension Parish, Louisiana.
- Location at the juncture I-10 and Highway 74.

Population:
- 4,000 people live within three miles of the site.

Setting: Site had ten storage tanks, a rail car tanker, a 0.07 acre oil pit, and a 0.8 acre holding pond containing oil and water.
- Site area is five acres.

Hydrology:
- Within Mississippi River watershed.
- Surficial silty loam with poor drainage; silty clay at 8-12 ft. depth; clay and silty clay at 8-24 ft. depth.
- Contaminated shallow sand aquifer at 7-12 ft. depth; deeper aquifer at 30-35 ft. appears not to be contaminated.

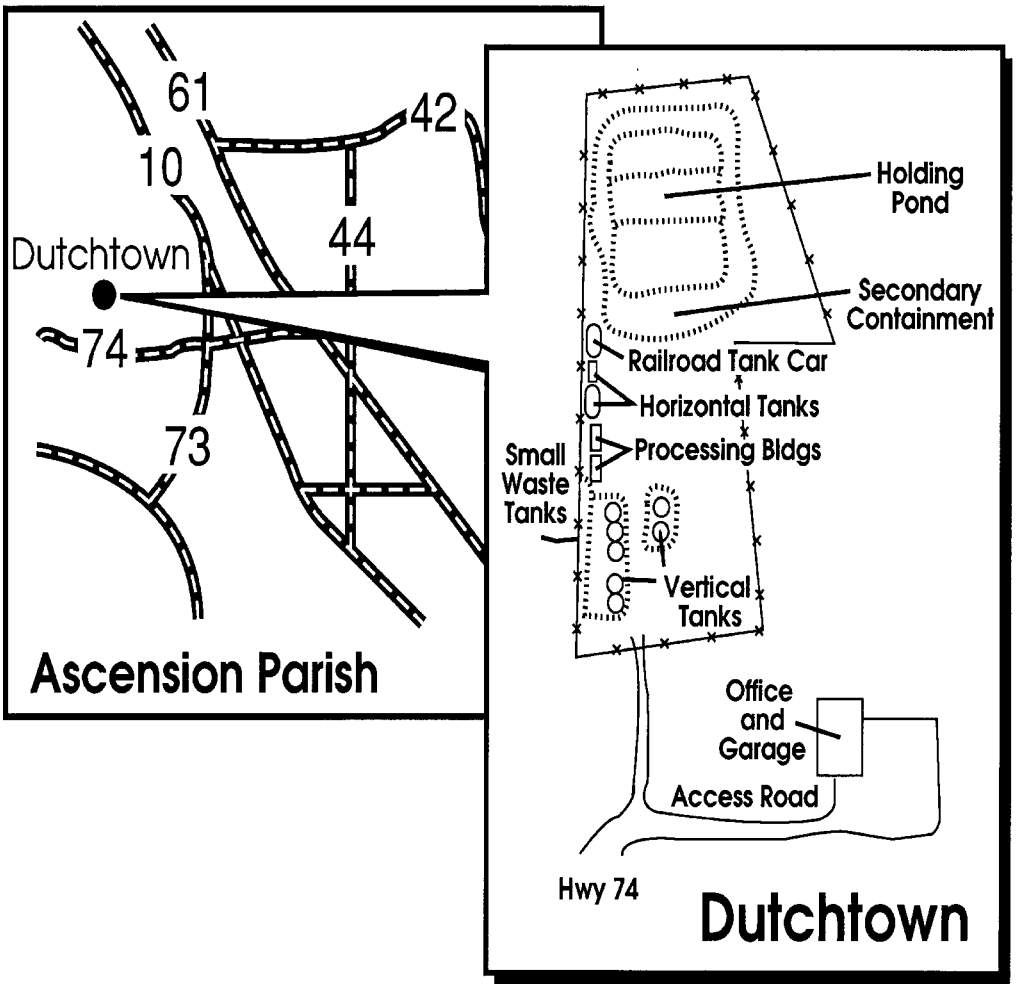
Wastes and Volumes

- The principal pollutants on the site are benzene, ethylbenzene, toluene, xylene, and lead.
- 449,810 gallons of waste oil from the holding pond, waste oil pit, and tanks were recovered, blended, and shipped off site for incineration.
- 3,451,999 gallons of storm water from the waste oil pit and the holding pond were treated on site in the water treatment unit.
- 4,500 cubic yards of soil were treated by soil washing on site, stabilized with fly ash, and placed as backfill into the pond and pit.

Site Assessment and Ranking

NPL LISTING HISTORY
Site HRS Score: 36.41
Proposed Date: 1/22/87
Final Date: 7/27/87
Proposed Deletion: n/a
Deletion Date: n/a

Site Map and Diagram



The Remediation Process

Site History:

- 1965-1982: Active oil refinery and reclamation facility
- 1984-1985: State performed an investigation and identified contaminated surface soils, sludges and water. The upper aquifer was also found to be contaminated. Two emergency actions taken to prevent overflow of the on site lagoon/holding pond.
- Mar 1987: EPA cleaned up a diesel fuel spill that ran off site.
- Mar 1988: Expedited Response Action (ERA) Memorandum signed by EPA with the Potentially Responsible Parties (PRPs). The EPA initially proposed to expedite the removal of waste using fund monies, but the PRPs petitioned EPA to do the work themselves.
- August 1989: Administrative Order on Consent between EPA and 22 PRPs to begin a comprehensive site study to determine the extent of contamination and to propose remedial alternatives.
- May 23, 1990: Consent Decree between EPA and 22 PRPs for the ERA and Remedial Investigation/Feasibility Study (RI/FS) work approved by U.S. District Court. In addition to the cleanup work, the PRPs also agree to reimburse EPA and the State of Louisiana for past and future oversight cost. The total value of this settlement was approximately $7.5 million.
- Nov 1990: PRPs begins the ERA work at the site.
- Aug 27, 1991: Waste handling phase of ERA completed.
- Oct 5, 1991: Completion of ERA activities: thermal destruction off site of the ponds and tanks contents and treatment of contaminated soils and contaminated water.
- Dec 1992: RI and Risk Assessment completed.
- May 19, 1993: FS completed.
- Jun 20, 1994: EPA Record of Decision issued.
- Jul 11, 1997: Remedial Action (RA) work plans completed.
- Dec 12, 1997 All RA construction and site maintenance activities completed by PRPs with oversight from EPA and LDEQ. All Site monitoring wells and the Dutchtown Middle School well have been sampled. RA Report submitted and approved by EPA.
- Jan 12, 1998 Site Preliminary Close Out Report completed.
- Sep 2, 1998 1st YearNatural Attenuation Report completed..

Health Considerations:

- Inhalation of fumes, direct contact with waste pits and storage tanks contents.
- Migration of contaminants into drinking water aquifer.

Record of Decision

Signed: June 20, 1994

- Completion of the ERA addressed the majority of the pollutants at the site. However, residual contamination in an unusable water bearing zone still exists.
- Natural attenuation of contaminated ground water with contingencies if contaminated ground water migrates out or down from the current location.
- Remedy cost estimate: $760,197 (assuming contingency measures need not be implemented).

Other Remedies Considered	Reason Not Chosen
1. No Action	Not protective
2. In Site Biological Treatment	Active remediation not warranted
3. Ground Water Extraction, Treatment, and Discharge	Active remediation not warranted

Community Involvement

- Citizens on site mailing list: 334
- Constituency Interest: Citizens concerned about groundwater contamination and supportive of EPA efforts.
- Site Repository: Ascension Parish Library, Gonzales Branch, 708 South Irma Blvd., Gonzales, Louisiana, 70737
- Community Involvement Plan: Developed 05/89
- Open Houses and Workshops: 09/89; 01/90; 10/90
- Proposed Plan Fact Sheet and Formal Public Meeting: 02/88, 10/93
- ROD Fact Sheet: 7/94
- Milestone Fact Sheets: 12/87, 6/88, 9/88, 12/88, 4/89, 2/91, 4/91, 8/97
- The Agency for Toxic Substances and Disease Registry (ATSDR) and the Louisiana Office of Public Health (LOPH) Health Assessment and Update: 9/92, 10/96

Technical Assistance Grant

- Availability Notice: Yes
- Letters of Intent Received: 1) 6/18/88 from Ascension Superfund Koalition (ASK)
- Grant Awarded: 06/01/92
- Final Application Received: 2/23/92
- Grant Award: Signed by EPA on 05/28/92, accepted by applicant on 3/9/94
- Status: No funds were drawn down. Grant has been annulled and was closed 6/19/98.

Contacts

- **Remedial Project Manager:** Stephen L. Tzhone, 214.665.8409, EPA (6SF-LP)
- **Site Attorney:** Michael Barra, 214.665.2143, EPA (6SF-DL)
- **Community Involvement:** Janetta Coats, 214.665.7308, EPA (6SF-PO)
- **State Coordinator:** Susan Jenkins, 214.665.6578, EPA (6SF-LT)
- **State Contact:** Tom Stafford, 504-765-0487, LDEQ (IASD)

Enforcement

- Consent Decree requiring PRPs to conduct ERA and RI/FS signed 5/23/89.
- Unilateral Administrative Order requiring PRPs to conduct RD/RA signed 12/30/96.

Present Status and Issues

- The site is currently in long term remedial action where groundwater monitoring will ensure that the natural attenuation remedy is proceeding as planned.

Benefits

- The emergency actions taken to prevent overflow of a contaminated lagoon, cleanup of a diesel fuel spill and capping over a contaminated area at the site have limited the spread of contaminated wastes and greatly lessened the potential for exposure to contaminants at the site, reducing environmental risk for approximately 4,000 people living within 3 miles of the site.
- Wastes and volumes of pollutants cleaned up are found under the Wastes and Volumes section.